

GROUND WATER FORUM TELECONFERENCE

September 7, 2000

FALL MEETING UPDATE

Monday, October 23-Tuesday, October 24: David Lee (AECL Chalk River, Ontario) and other presenters are lined up to give the ground water/surface water interactions training, which will begin at 8 am on Monday, October 23. The training will either begin with a 1.5-hour introductory session at the Westin Francis Marion, or vans will immediately depart the Westin for the field location (either a nearby stream or lake). The participants will split into two groups: one lead by Mark Henry (MI DEQ), Don Vroblesky (USGS), and a member of the Ecological Risk Assessment Forum; and the other lead by David Lee. Lee's group will install seepage meters and mini-piezometers and take flux measurements. After 3 hours, the two groups will switch.

Training will end at 5:30 pm. Sack lunches will be provided, and both groups will stop for dinner on the return trip to the hotel.

On Tuesday morning, the participants will return to the field to collect data from meters left in place overnight. The group will head back to the hotel for lunch before attending a debriefing session where the presenters will recap what was learned and the pros and cons of the instruments used.

Curt Black indicated that the training is intended to "train the trainer" so that Regional and state participants will be able to impart what they've learned to their colleagues. Course materials such as data collection forms, a reference list, and sampling equipment will be available to take home.

Wednesday, October 25: Wednesday will be devoted to 20-minute discussions of "hot" topics or case studies from the Regions and states. If you are interested in presenting a hot topic or case study, please contact Kathy Davies as soon as possible. Jeff Johnson volunteered to discuss the recent DNAPL course put on by John Cherry in San Francisco.

To limit the time needed to discuss the status of the GWF's action item list at the meeting, Curt will forward the list to the members and friends. Please let Curt know if you have any updates to the list.

Thursday, October 26-Friday, October 27: NGWA will offer a 2-day course in geochemistry. There will be a small fee for course participants who are not Regional or state GWF members. The fee, which will be \$30 -\$40 will cover course materials. Everyone who plans to take the course must register with Diane Dopkin. Please e-mail her at diane.dopkin@emsus.com.

DIFFUSION SAMPLER PROTOCOL

Curt Black will distribute a copy of the draft diffusion sampler protocol to GWF members. Those wishing to comment on the protocol, should focus on Parts 1 and 2, the case studies for McClellan AFB and Fort

COST ANALYSES FOR SELECTED GROUND-WATER CLEANUP PROJECTS—PUMP AND TREAT AND PERMEABLE REACTIVE BARRIERS (PRBs)

Linda Fiedler (TIO) noted that she distributed an electronic copy of the 25-page draft report *Cost Analyses for Selected Groundwater Cleanup Projects: Pump and Treat and Permeable Reactive Barriers* to the GWF on August 10. The report expands on *Groundwater Cleanup: Overview of Operating Experience at 28 Sites* (September 1999) by providing analyses of factors that affect the cost of pump-and-treat and PRB technologies. Linda asked that GWF members review the report and provide feedback to her on whether the analyses are sound and useful. Please submit your comments to Linda by COB on September 29.

Ruth Izraeli suggested that Linda distribute the document to NARPM, the Engineering Forum, and the Federal Facilities Forum for their review as well.

METHOD 5035

Brian Lewis recently sent an e-mail message to GWF members and friends asking whether Method 5035 is required in the Regions and states for collecting representative and precise data for VOCs in soil and solid matrices. Region 9 requires Method 5035 or an equal or more effective method, but considers exceptions to this policy on a case-by-case basis. California is trying to require Method 5035 if the soils permit, but field personnel either don't know about it or don't like the method because of the added field work. Brian said that the response he received indicated fairly widespread use of 5035. Jeff Johnson indicated that he requires 5035 on his sites; Region 7 does not yet require it but is developing a protocol. Jeff further noted that 5035 has typically yielded higher concentrations than other off-site laboratory analyses for volatile organics. Kathy Davies indicated that Region 3 has prepared a fact sheet on 5035. Kathy will either e-mail a copy of the fact sheet to everyone, or bring copies to the Charleston meeting.

PHYTOREMEDIATION ISSUE PAPER

Scott Huling (SPRD-Ada) has asked the GWF to review the phytoremediation issue paper. Comments are due to him on September 15. Ernie Waterman volunteered to coordinate the GWF's comments and submit them.

UNCERTAINTY ISSUE PAPER

Kelly Hurt (Dynamac) is the new lead for completing the issue paper *Evaluation of Uncertainties Associated with Predicted Ground-Water Remediation Times* and is taking a new perspective on the paper. The latest draft is only 11 pages long. Ruth Izraeli is coordinating the GWF's comments on the draft issue paper. Luanne Vanderpool, Kay Wischkaemper, Kathy Davies, Vince Malott, and Kevin Willis volunteered to review the issue paper. Comments are due to Ruth by October 9.

TECHNICAL ISSUE

Kate Burger (CA DTSC) raised the issue of applying 40 CFR 264.98(g) to two Class I waste disposal facilities in California. 40 CFR 264.98(g) requires that when a statistical exceedance occurs under a

required at the site. If you have any further information or suggestions for Kate, please contact her at kburger@dtsc.ca.gov or (916)323-3633.

ATTENDEES

Bill Brandon, Region 1
Steve Mangion, Region 1 STL
Ernie Waterman, Region 1
Ruth Izraeli, Region 2
Dean Maraldo, Region 2
Kevin Willis, Region 2
Kathy Davies, Region 3
David Kargbo, Region 3
Kay Wischkaemper, Region 4
Luanne Vanderpool, Region 5
Doug Yeskis, Region 5
Vince Malott, Region 6
Jeff Johnson, Region 7
Helen Dawson, Region 8
Rich Freitas, Region 9
Herb Levine, Region 9
Roseanne Sakamoto, Region 9

Curt Black, Region 10
Bernie Zavala, Region 10
Judy Canova, SC DHEC
Mark Henry, MI DEQ
Brian Lewis, CA DTSC
Kate Burger, CA DTSC
Will Rhoda, CA DTSC
Jennifer Sutter, OR DEQ
Linda Fiedler, HQ/TIO
Rich Steimle, HQ/TIO
Mark Mercer, HQ/OSW
Matt Charsky, HQ/OERR
Dave Burden, SPRD/Ada
Jerry Jones, SPRD/Ada
David Reisman, NRMRL, Cincinnati
Diane Dopkin, EMS